

44. The module according to claim 43, said at least one passive optical component comprising at least one optical structure, wherein said at least one optical structure is a hardened hardenable material and is obtained using a replication process.

45. The module according to claim 42 wherein said substrate, said optics member and said separating member are of generally block- or plate-like shape, at least said separating member having at least one hole.

46. The module according to claim 42 wherein said optics member and said separation member are combined in one member.

47. The module according to claim 46 wherein said at least one blocking portion and said separation member are manufactured as a unitary part.

48. The module according to claim 42 wherein lateral dimensions of said substrate, said optics member, and said separation member are substantially identical.

49. The module according to claim 41 further comprising an emission member for emitting light generally detectable by said detecting member.

50. The module according to claim 49 comprising a separation member arranged between said substrate and said optics member, wherein said separation member is comprised in said optics member or is separate therefrom, wherein at least a portion of said separation member is arranged between said emission member and said detecting member for reducing optical cross-talk between said emission member and said detecting member.

51. The module according to claim 49 comprising a separation member arranged between said substrate and said optics member, wherein said separation member is comprised in said optics member or is separate therefrom, wherein said detecting member is encircled by said separating member, and wherein said emission member is encircled by said separating member.

52. The module according to claim 49 wherein said optics member comprises at least a first and a second passive optical components comprising at least one optical structure each.

53. The module according to claim 49 wherein said emission member, said optics member and said detecting member are structured and arranged such, that when light emitted from said emission member having passed said at least one transparent portion and having been reflected by a surface located outside the module and having passed said at least one transparent portion again is detected by said detecting member, an amount of the so-detected light depends on a distance of said surface to said optics member.

54. The module according to claim 42 wherein said separation member is made of a material which substantially attenuates or blocks light generally detectable by said detecting member.

55. The module according to claim 42 wherein said separation member is at least one of made of a hardened hardenable material and obtained using a replication process.

56. The module according to claim 41 wherein said substrate provides at least one electrical connection from said detecting member across said substrate.

57. The module according to claim 41 wherein said substrate is a printed circuit board assembly.

58. The module according to claim 41 wherein the module is a proximity sensor.

59. An appliance comprising a multitude of modules according to claim 41, the appliance comprising a substrate

wafer and an optics wafer, wherein the multitude of substrates is comprised in said substrate wafer and the multitude of optics members is comprised in said optics wafer.

60. The appliance according to claim 59, the appliance comprising a spacer wafer, wherein the multitude of separation members is comprised in said spacer wafer.

61. An electronic device comprising:

a printed circuit board, and

a module according to claim 41 mounted in said printed circuit board.

62. The device according to claim 41, wherein the device is a hand-held communication device.

63. A proximity sensor comprising:

a substrate;

an optics member arranged generally parallel to said substrate;

a detecting member arranged between said substrate and said optics member, mounted on said substrate, for detecting light having passed through said optics member;

an emission member arranged between said substrate and said optics member, mounted on said substrate, for emitting light generally detectable by said detecting member;

a separation member arranged between said substrate and said optics member, wherein said separation member is comprised in said optics member or is separate therefrom, and wherein said separation member is made of a material which substantially attenuates or blocks light generally detectable by said detecting member;

wherein said optics member comprises:

at least one transparent portion transparent for light generally detectable by said detecting member, said transparent portion comprising at least a first and a second passive optical components comprising at least one optical structure each; and

at least one blocking portion for substantially attenuating or blocking incident light generally detectable by said detecting member.

64. The proximity sensor according to claim 63 wherein lateral dimensions of said substrate, said optics member, and said separation member are substantially identical.

65. The proximity sensor according to claim 63 wherein at least a portion of said separation member is arranged between said emission member and said detecting member for reducing optical cross-talk between said emission member and said detecting member.

66. The proximity sensor according to claim 63 wherein said substrate provides at least one electrical connection from said detecting member across said substrate.

67. The proximity sensor according to claim 63 wherein said emission member, said optics member and said detecting member are structured and arranged such, that when light emitted from said emission member having passed said at least one transparent portion and having been reflected by a surface located outside the module and having passed said at least one transparent portion again is detected by said detecting member, an amount of the so-detected light depends on a distance of said surface to said optics member.

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